

HAER
OHIO
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HISTORIC AMERICAN ENGINEERING RECORD

Index to Photographs

Carnegie Steel-Ohio Works: Steam Engines
912 Salt Springs Road
Youngstown
Mahoning County
Ohio

HAER No. OH-33

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TOD HORIZONTAL TANDEM COMPOUND, 43-INCH BLOOMING MILL ENGINE # 3035

- OH-33-1 General view of mid-section of engine.
- OH-33-2 View of mid-section of engine showing flywheel.
- OH-33-3 View of Corliss valve gear.
- OH-33-4 View of low-pressure cylinder and tail rod.
- OH-33-5 View of 43-inch, 3-high blooming mill with engine flywheel at right.
- OH-33-6 View of 43-inch, 3-high blooming mill from opposite side of OH-33-5.

TOD HORIZONTAL NON-CONDENSING, 23-INCH MILL, NO. 1 ENGINE

- OH-33-7 General view of rear of engine.
- OH-33-8 General view of front of engine.

FILER & STOWELL, HORIZONTAL CROSS-COMPOUND, 15-INCH CONTINUOUS MILL ENGINE

- OH-33-9 General view of engine between cylinders with high pressure cylinder on left and low pressure cylinder on right.
- OH-33-10 Detail view of crosshead guide with flywheel in background.

FILER & STOWELL CONTINUOUS MILL ENGINE (Continued)

- OH-33-11 View of mid-section of engine showing cross-head guide with flywheel in background.
- OH-33-12 Detail view of segmented 10 spoke flywheel.
- OH-33-13 Detail view of segmented flywheel.

TOD TWIN HORIZONTAL TANDEM COMPOUND, 40-INCH BLOOMING MILL ENGINE # 4126

- OH-33-14 General view of rear of engine.
- OH-33-15 View of gear box between main shaft of steam engine and shafts for blooming mill.
- OH-33-16 General view of side of engine.
- OH-33-17 View looking down center of engine towards the crank end.
- OH-33-18 Detail view of tandem high and low pressure cylinders.

NOT POSITIVELY IDENTIFIED STEAM ENGINES

- OH-33-19 Engine identified as a single cylinder vacuum assist engine for the Filer and Stowell 15-inch continuous mill.
- OH-33-20 Engine identified as a "single cylinder vacuum assist engine for the Tod tandem compound engine" showing crank end.
- OH-33-21 Engine identified as a "single cylinder vacuum assist engine for Tod tandem compound engine" showing compressor.
- OH-33-22 View of unidentified engine.